

040804

14280 U.S. PTO

PATENT APPLICATION

19587 U.S. PTO
10/821310
040804

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed herewith for filing is the following **utility patent application**:

Applicant(s): Kallol Bera
Heeyeop Chae
Hamid Tavassoli
Yan Ye

Title of Application: APPARATUS FOR CONTROLLING GAS FLOW IN
A SEMICONDUCTOR SUBSTRATE PROCESSING
CHAMBER

Pages of specification: 16 (including 4 pages of claims and
1 page of abstract)

Sheets of drawing: 5

Executed on: APRIL 8, 2004 Docket No.: 8549/ETCH/DRIE/JB1

PATENT APPLICATION FILING FEE CALCULATION					
	<u>No. Filed</u>	<u>Less</u>	<u>Rate/Claim</u>		<u>Fee</u>
Total Claims	22	-20	2 x \$18.00		\$ 36.00
Independent Claims	2	- 3	0 x \$86.00		\$ 0.00
			Minimum Filing Fee		\$770.00
			Multiple Dependency Fee (if applicable - \$280.00)		\$
			50% Reduction for Small Entity (Independent Inventor, Non-profit Corporation, or Small Business Concern) - appropriate verified statement attached	-	\$ 0.00
			Assignment Recordation Fee		\$ 40.00
			TOTAL FILING FEE		<u>\$846.00</u>

Kindly charge the entire and/or any additional filing fee, as appropriate, to Deposit Account No. 50-1074. To facilitate that charge, a duplicate copy of this letter is enclosed herewith.

Please direct all correspondence to:

Patent Counsel
Applied Materials, Inc.
P.O. Box 450A
Santa Clara, CA 95052

Also enclosed herewith for filing in connection with the enclosed application are:

- X Declaration and Power of Attorney;
- X An assignment of the application to
Applied Materials, Inc.;
- X 5 sheets of formal drawings.

Respectfully submitted,

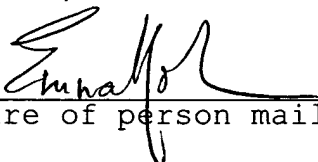


Robert W. Mulcahy, Attorney
Reg. No. 25,436

*****EXPRESS MAIL CERTIFICATION*****

"Express Mail" mailing label number: EV341109513 US
Date of deposit: APRIL 8, 2004

I hereby certify that this patent application and related papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Signature of person mailing paper or fee

Emma Koh

Name of person mailing paper or fee